AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Original) An organic semiconductor material having rodlike low-molecular liquid crystallinity, comprising: a skeleton structure comprising L 6 π electron aromatic rings, M 10 π electron aromatic rings, and N 14 π electron aromatic rings, wherein L, M, and N are each an integer of 0 (zero) to 4 and L + M + N = 1 to 4; and a terminal structure attached to both ends of said skeleton structure, said terminal structure being capable of developing liquid crystallinity,

the phase angle θ of impedance of said organic semiconductor material being $-80° \leq \theta \leq -90°$ as determined in the measurement of impedance in a frequency f range of $100\ Hz \leq f \leq 1\ MHz$ in such a state that said organic semiconductor material in an isotropic phase state is held between a pair of opposed substrates with an interelectrode spacing of 9 μm.

2. (Original) An organic semiconductor element comprising a functional layer comprising said organic semiconductor material according to claim 1, said functional layer having been formed by heating said organic semiconductor material to a temperature high enough for the organic semiconductor material to exhibit at least a smectic phase and then cooling the organic semiconductor material, at least a part of said organic semiconductor material being in a crystal phase.

3. (Original) An organic semiconductor element comprising a functional layer comprising said organic semiconductor material according to claim 1, said organic semiconductor material exhibiting a smectic phase.